Post-transcriptional control of C/EBPα and C/EBPβ proteins

Zaini, Mohamad Amr

Curriculum Vitae

Mohamad Amr Zaini

Amr was born on 20th of June 1986 in Homs, Syria. He finished his Bachelor degree in pharmacy and pharmaceutical chemistry at the University of Damascus, Syria in 2008 and received his Master degree in molecular biology from the University of Skövde, Sweden in 2010. In this year he obtained a scholarship from the Swedish childhood cancer association (Barncancerfonden) to do a master project titled: "Pancreas atrophy in mice following inactivation of the Coxsackie- and Adenovirus Receptor (CAR) gene" in the group of Prof. Kerstin Sollerbrant Melefors at the pediatric endocrinology unit, Karolinska Institute (KI), Stockholm. Afterwards, Amr worked as a research associate in KI for one year. In 2012, Amr has been awarded the Leibniz Graduate School Academy (LGSA) PhD scholarship and started his PhD at Leibniz Institute for age related diseases, Fritz Lipmann Institute (FLI) in Jena, Germany under the supervision of Prof. Cornelis Calkhoven. He moved to Groningen in 2013 to complete his PhD studies in the same group when the group was relocated to the European Research Institute for the Biology of Ageing (ERIBA), University Medical Center Groningen (UMCG), The Netherlands. Now he is going to start a post-doc at the section of oncogenetics in CCA-VUmc Amsterdam in the research team of Dr. Rob Wolthuis and Dr. Josephine Dorsman.

During his PhD period, Amr married to Hala Al Husaini and they have a daughter called Leen.

List of Publications:

- **Zaini M.A.,** Müller C. and Calkhoven C.F. (2017) C/EBPα and C/EBPβ transcription factors: Their post-transcriptional control and roles in various tissues. *(Manuscript in preparation).*
- **Zaini M.A.**, Müller C., de Yong T., Ackermann T., Hartleben G., Kortman G., Ghürs K.H., Fusetti F., Krämer OH., Guryev V. and Calkhoven C.F. (2017) A p300 and SIRT1 regulated acetylation switch of C/EBPα controls mitochondrial function. *(Revised and resubmitted to Cell reports journal).*
- Sin O., Jong T.D., Kudron M., Mata-Cabana A., **Zaini M.A.**, Aprile F.A., Seinstra R., Stroo E., Prins R.W., Martineau C., Wang H., Hogewerf W., Steinhof A., Wanker E., Vendruscolo M., Calkhoven C.F., Reinke V., Guryev V., Nollen E.A.A. (2017) Identification of a Pol III-associated regulator of small non-coding RNAs that is linked with disease-associated protein aggregation. *Molecular Cell.* 65, 1096–1108.
- **Zaini M.A.**, Müller C., Ackermann T., Reinshagen J., Kortman G., Pless O. and Calkhoven C.F. (2017) A screening strategy for the discovery of drugs that reduce C/EBPβ-LIP translation with potential calorie restriction mimetic properties. *Sci. Rep.* 7, 42603.
- In K., **Zaini M.A.**, Muller C., Warren A.J., Lindern M.V. and Calkhoven C.F. (2016) Shwachman–Bodian–Diamond syndrome (SBDS) protein deficiency impairs translation re-initiation from C/EBPα and C/EBPβ mRNAs. *Nucleic Acids Res* 44, 4134–4146.
- Mirza M., Pang M.F., **Zaini M.A.**, Haiko P., Tammela T., Alitalo K., Philipson L., Fuxe J. and Sollerbrant K. (2012) Essential role of the Coxsackie and Adenovirus Receptor (CAR) for development of the lymphatic system in mice. *PLoS One* 7(5):e37523